

**Listing of Claims:**

Claims 1-3 (Canceled).

4. (Currently Amended) ~~The~~ A pressure sensor device  
according to claim 1, comprising:

a thin diaphragm made of brittle material, in which a strain  
resistance gauge is formed in a surface thereof; and

5       a stopper member including a concave portion comprising a  
curved surface parallel to a surface formed by displacement of  
said diaphragm, said concave portion being disposed so as to face  
said diaphragm;

10       wherein said stopper member comprises a leading hole for a  
pressure-transmitting medium to be led to said diaphragm in a top  
portion of the concave portion having the curved surface parallel  
to the surface formed by displacement of said diaphragm.

5. (Previously Presented) A pressure sensor device  
comprising:

a diaphragm in which a strain resistance gauge is formed in  
a surface;

5       a pair of stopper members having respective concave portions  
in the shape of curved surfaces parallel to surfaces formed by  
displacement of said diaphragm, the stopper members being

disposed at respective sides of said diaphragm so that said  
concave portions face said diaphragm; and

10           a base having fluid paths that lead a pressure-transmitting  
medium from top portions of said concave portions in said stopper  
members to both sides of said diaphragm and a pair of  
pressure-receiving portions connected to said respective fluid  
paths to transmit pressure to the pressure-transmitting medium  
15       injected into said fluid paths.

6. (Previously Presented) The pressure sensor device  
according to claim 5, wherein a sensor chip, which is formed of  
said diaphragm and said pair of stopper members, is fixed to said  
base with a pressure-absorbing body interposed therebetween.

7. (Previously Presented) The pressure sensor device  
according to claim 5, wherein said pair of pressure-receiving  
portions comprises a pair of diaphragms provided to the base.

Claim 8 (Canceled).

9. (Currently Amended) ~~The~~ A pressure sensor device  
~~according to claim 2, comprising:~~

a thin diaphragm made of brittle material, in which a strain  
resistance gauge is formed in a surface thereof;

5           a stopper member including a concave portion comprising a  
curved surface parallel to a surface formed by displacement of  
said diaphragm, said concave portion being disposed so as to face  
said diaphragm; and

another said stopper member,

10           wherein the stopper members are disposed so as to face  
respective sides of said diaphragm; and

          wherein each of said stopper members comprises a leading  
hole for a pressure-transmitting medium to be led to said  
diaphragm in a top portion of the concave portion having the  
15       curved surface parallel to the surface formed by displacement of  
said diaphragm.